



**OXYGEN & ARGON  
WORKS LTD.**

## Oxygen and Argon Works Ltd Company profile

Oxygen and Argon Works is the largest manufacturer and supplier of industrial gases in Israel. The company is privately owned by its Israeli founders, and its factories production sites are located in Caesarea, Kiryat Gat and Migdal Haemek.

Oxygen and Argon Works provides industrial gases to over 500 institution and factories all over Israel, and has earned a remarkable reputation for the high reliability and quality of its products and services. The company's customers include leading companies in the metal, electronic, semiconductors chemical, petrochemical, food, glass and recycling (environmental) industries in Israel, as well as research institutes, universities, medical institution and the Israeli Ministry of Defense.

### Production and Distribution

Oxygen and Argon Works was founded in Israel in 1935, and combines over 70 years of experience in the use of innovative technologies. In 1998, the company jointly with an International Gas Company began to operate a new modern manufacturing plant in Kiryat Gat, and in 2003 it opened with the same International Gas Company another plant in Migdal Haemek. The company has invested tens of millions of dollars in these innovative plants, and managed to double its production capabilities in five years. Today, the company is able to supply 90 million cubic meters of Oxygen, Nitrogen and Argon each year. This high capacity guarantees the high reliability of the company's services.

The main gases produced and supplies by Oxygen and Argon Works are:

**Oxygen** is used mainly in the metal (casting, welding and cutting), medical, and aviation industries and the Israeli Ministry of Defense. Oxygen is also used for growing fish, since the dissolving of Oxygen in fish pools significantly reduces the necessary amount of water and land. Oxygen is also used in sewage purification and heavy metal recycling; it plays an important part in preserving the environment. In order to maintain its high reliability, the company keeps in storage 1.0 million liters of liquid Oxygen.

**Nitrogen** is used in the electronics, drug, construction, and medical (skin treatments and blood and sperm banks) industries, and in universities and research. It is also used in cooling and freezing processes in the food industry, and is inserted into snack packages and soft drinks in order to extend their shelf lives. The company keeps 1.6 million liters in storage

**Argon** is used for welding special metals (stainless steel, titanium, etc.) and for laser systems.

**Helium** is used for MRI systems, medical imaging systems, super-conductor magnets and gas mixtures. and balloons



# OXYGEN & ARGON WORKS LTD.

CO<sub>2</sub> is used in soft drinks, welding processes and mixtures.

**Gas mixtures** are produced according to specific customer requirements. The company also supplies Helium and Oxygen mixtures for scuba diving equipment.

## Specialty Gases

Imported Specialty Gases by OXAR's sister company, Gas Technologies O.B. Ltd  
Owner of the largest & most advanced Gas Storage Facility in Israel.

The company's gases are produced and stored in a liquid state 85% of them are directly supplied in the liquid state and delivered to large customers in special storage tanks. The liquefying method significantly lowers the transport and storage costs. Small customers are supplied the gases in gas cylinders through four sales depots and a network of distributors.

## Quality and Safety

Oxygen and Argon Works has obtained ISO 9001:2000 certifications, due to the automatic registration and control processes that accompany its production activities. The gases produced by the company pose no risk or cause environmental pollution. The company is recognized and approved as a vital facility in times of emergency, and follows the directives of the Ministry of Defense. The company constantly upgrades its control systems to ensure the safety of its employees, factories, and delivery systems.

The company's production activities take place in three sites:

**Migdal Haemek – Liquid production facility,**

**Kiryat Gat – Liquid production facility**

**Caesarea – new facility Liquid reduction facility, Cylinder gas filling facility, Laboratories, Fully accredited Cylinder Test Facility & Cylinders & pack building & maintenance.**

**Sagi 2k Industrial Park - Mayan Baruch** is a new modern facility in the north for cylinder gas filling and **fully accredited Cylinder Test Facility & Cylinders & pack building & maintenance.**

The company and its subsidiaries employ 130 workers.

The company is associated with the Compressed Gas Association of America (CGA) and with the European Industrial Gases Association (EIGA).

The company has two Israeli subsidiaries:

**Oxygen Stores Trade (1980) Ltd** covering the north of the country, handles the same products as Oxygen and Argon Works Ltd.



**OXYGEN & ARGON  
WORKS LTD.**

**Gas Technologies O.B. Ltd.** Imports and supplies specialty gases for various uses in the electronics industry. The company has a gas depot in Ramat Hovav.

**Contribution to the Community**

Oxygen and Argon Works has always placed a great emphasis on supporting the community, and has been sponsoring cultural institutes in the Herzelia area for many years. Lately, the company decided to support the Migdal Haemek educational system, and has already built a computer class, and equipped it with modern computers.

Gabriel Bitton  
Managing Director  
Oxygen & Argon Works Ltd  
Cessaria, Israel